Index of Claims

| A | - 1: | 4! | 10 t - c | |
|------|------|-----|----------|-------|
| AΠ | กแตล | HOD | /Contro | n NO. |
| , .p | ~ | | | |

10/521,114

Examiner

Date

Rodney B. White

Reexamination
HOFMANN ET AL.

Applicant(s)/Patent under

Art Unit

3636

√ Rejected
= Allowed

| _ | (Through numeral) Cancelled |
|---|--------------------------------|
| | *** |

Claim

Restricted

Non-Elected

I Interference

Claim

| A | Appeal |
|---|----------|
| 0 | Objected |

Date

| | , | | _ | | | | | | L | | | |
|------------|----------|---------|----------|----------------|--------------|----------|----------|----------|-------------|------------------|--|--|
| Cla | im | Date | | | | | | | | | | |
| Claim Date | | | | | | | | | \dashv | | | |
| | la | ဖွ | <u></u> | 20 | | | 1 | | - [| | | |
| Final | Original | 7/20/06 | 1/7/07 | 3/12/07 | | | 1 | 1 | - | - 1 | | |
| 4 | ō | 2 | 7 | 3, | | l | 1 | | | | | |
| | | 1 | | - | _ | ┝ | + | - | - | + | Н. | |
| 2 | 1 | 1 | 7 | = | | ╀ | + | | \dashv | - | \dashv | |
| | 3 | V | <u> </u> | = | ⊢ | ╀ | + | \dashv | | - | ᅱ | |
| | | | -1 | ┢ | \vdash | ╀ | + | \dashv | | - | \dashv | |
| 3 | 4 | 7 | 7 | = | ⊢ | ╀ | + | - | | \dashv | ᅱ | |
| | 5 | 1 | 1 | = | | ╀ | + | | - | - | - | |
| 5 | 6 | | | = | ⊢ | ╁ | + | - | - | - | \dashv | |
| 6 | 7 | 1 | 1 | = | ┢ | ╀ | + | | = | \dashv | \dashv | |
| 7 | 8 | 1 | V | = | } | ╄ | -+ | | | | | |
| 8 | 9 | | | = | ├- | ╁ | - | | _ | - | \dashv | |
| 13 | 10 | 1 | 1 | = | ⊢ | ╀ | + | | | -1 | \dashv | |
| 14 15 | 11 | 1 | 1 | = | \vdash | + | 4 | | _ | | \dashv | |
| 15 | 12 | 1 | 1 | = | ╄ | + | + | | | \vdash | | |
| 16 | 13 14 | 1 | 1 | = | ╄. | + | 4 | | \vdash | \vdash | \dashv | |
| 17 | 14 | | | = | | + | - | _ | <u> </u> | H | - | |
| 18 | 15 | 1 | ٧ | = | ┼- | + | - | | | \vdash | \dashv | |
| 19 | 16 17 | 1 | V | = | \vdash | ╁ | \dashv | | \vdash | Н | | |
| 20 | 1/ | 1 | | = | + | - | 4 | | \vdash | - | 긕 | |
| 21 | 18 | 1 | 1 | = | +- | + | - | | _ | - | | |
| 22 23 | 19 | 1 | 1 | ╀ | ╁ | + | \dashv | _ | ⊢ | | \dashv | |
| 23 | 20 | V | | = | ╂ | + | \dashv | | ⊬ | - - | Н | |
| 24 | 21 | 1 | V | ╀ | +- | ╁ | ᅱ | <u> </u> | ⊢ | <u> </u> | H | |
| 25 26 | 22 | V | 1 | = | ╄ | + | _ | _ | | ┝ | - | |
| 26 | 23 | V | 1 | = | + | + | _ | - | | \vdash | \vdash | |
| 27 | 24 | 1 | 1 | = | +- | + | | | }— | ⊢ | H | |
| 9 | 25 | | | ╀ | +- | + | _ | - | ┝ | | $\vdash\dashv$ | |
| 10 | 26 | 1 | 1 | = | ╀ | + | _ | - | | ┼ | \vdash | |
| 11 | 27 | 1 | 1 | ╀ | +- | + | | ├ | | ┝ | Н | |
| 28 | 28 | | | ╞ | ╀ | + | | - | 1 | ┢ | H | |
| 29 | 29 | 1 | 1 | = | + | + | | ⊢ | ╁ | ╁ | Н | |
| 30 | 30 | ٧ | 1 | 1= | + | + | | - | ⊢ | ╁ | - | |
| 31 | 31 | ٧ | ╁ | = | + | + | _ | ┢ | ╁ | + | \vdash | |
| 32 33 | 32 | 1 | 1 | = | ╁ | + | | ┢ | \vdash | ╁ | ├ | |
| 33 | 33 | 1 | 1 | += | + | + | _ | \vdash | \vdash | \vdash | \vdash | |
| 34 | 34 | 1 | 1 | = | + | ╬ | | - | + | +- | | |
| 35 | 35 | 1 | 1 | | + | + | _ | ├- | ╁ | + | \vdash | |
| 12 36 | 36 | 1 | | - | + | + | - | ┝ | + | ╁ | | |
| 36 | 37 | ╀ | + | | + | + | | \vdash | ╁ | ┼ | \vdash | |
| | 38 | + | + | + | + | + | _ | ⊢ | + | + | \vdash | |
| \vdash | 39 | + | + | ╢ | + | + | | ╀ | + | +- | + | |
| - | 40 | + | + | +- | + | + | | \vdash | + | + | +- | |
| - | 41 | +- | +- | + | + | + | | ╁ | + | +- | + | |
| - | 42 | | + | +- | ╁ | + | | + | + | + | ╁─ | |
| - | 43 | | + | + | + | + | | + | ╁ | + | \vdash | |
| - | | | + | + | ╫ | \dashv | _ | + | + | + | ╁╾ | |
| - | 45 | | + | ╁ | + | + | | + | + | + | + | |
| - | 46 | | +- | + | + | + | | + | + | +- | +- | |
| - | 47 | | + | + | + | 4 | | ╀ | +- | + | ╁ | |
| - | 48 | | + | + | + | - | _ | + | ╁ | ╁ | ╁ | |
| | 49 | Ή- | + | + | + | - | _ | + | ╁ | | +- | |

| Cie | 11111 | _ | _ | _ | | | - | _ | | - | |
|-----------|----------------|----------------|----------|--------------|--------------|-------------------------|-----------------|----------|--------------------|--------------|------------|
| Final | Original | | | | | | | | | | |
| | 51 | | П | 1 | ĺ | | | | | | ١. |
| <u> </u> | 51 52 | | | \vdash | ├ | | | | | | 2 |
| | 52 | ⊢ | ┢ | ┢ | - | <u> </u> | - | | \vdash | | ŀ |
| | 53 | — | <u> </u> | ⊢ | ├ | ┝ | ├- | \vdash | - | | |
| | 54 55 | L | _ | 닏 | <u> </u> | <u> </u> | ⊢ | | | | |
| | 55 | <u> </u> | <u> </u> | | <u>L</u> | ╙ | $oxed{igspace}$ | | Ш | | 1 |
| | 56 | |]. | | | | <u> </u> | Ŀ | Ш | | |
| | 57 | Γ | | | | | | | | | |
| | 58 | | Π | Π | Г | Γ. | | | | | <u>j</u> . |
| | 59 | T | | 1 | Г | | | | | | 1 |
| - | 60 | 十 | T | +- | 1 | \vdash | † * | | | | 1 |
| - | 61 | ╁ | \vdash | \vdash | | \vdash | \vdash | t | \vdash | | 1 |
| - | 62 | ┢ | + | \vdash | +- | + | \vdash | \vdash | - | \vdash | t |
| | 62 63 | ├ | ╁ | - | ╄ | + | + | \vdash | 1 | | ł |
| | 03 | ├ | ₩ | ┼ | +- | ╄ | ┼ | - | - | | ┨ |
| | 64 | ⊢ | ـ | ╄ | +- | ⊢ | ₩ | | ļ | | ł |
| | 65 66 | $oxed{oxed}$ | ↓_ | ╄ | ╄ | ↓ | ╄ | _ | ļ | <u> </u> | ł |
| | 66 | <u> </u> | \perp | \perp | ļ | 1 | \vdash | <u> </u> | ┡ | <u> </u> | 1 |
| | 67 | <u> </u> | \perp | \downarrow | ↓_ | _ | ╄ | ↓_ | <u> </u> | _ | 1 |
| L. | 68 | ↓_ | 1. | 1 | 1 | \bot | ↓_ | <u> </u> | <u> </u> | - | 1 |
| - | 69 | _ | ╄- | \bot | ↓_ | $oldsymbol{\downarrow}$ | ╀ | ↓_ | ├- | - | 1 |
| | 70 71 | ╀ | ┼- | + | ┼ | ╀ | + | ┼ | ├- | <u> </u> | 1 |
| | 71 | ┼ | +- | + | ╁ | + | + | ╀ | ┼- | ⊢ | + |
| | 72 | ╀ | ╀ | ╁ | + | ╁ | ╁╴ | ╁ | ╁ | ├ | ┨ |
| | 7/ | + | + | ╁╴ | + | ╁ | ╁╌ | +- | \vdash | - | † |
| | 73 74 75 | ╁╌ | + | + | +- | ✝ | + | ╁╴ | | | 1 |
| | 76 | T | ╁ | † | T | 1 | 十 | 1 | | Τ | 1 |
| | 76 77 | T | \top | \top | T | Τ | | | | |] |
| | 78 79 | | | | | | Ţ. | | | _ | 1 |
| | 79 | \perp | | | _ | \perp | 1_ | 1 | $oldsymbol{\perp}$ | _ | 1 |
| | 80 | \perp | ⊥ | | _ | 1 | ⊥ | <u> </u> | _ | 1 | 4 |
| | 81 82 | | \perp | | ┸ | ┸ | ╄ | \perp | 1_ | _ | 1 |
| | 82 | \perp | | 1_ | \perp | 1 | \perp | _ | <u> </u> | ↓_ | 4 |
| | 83 | | \perp | ┸ | \perp | 1 | | _ | ┺ | ↓_ | 4 |
| | 84 | | ⊥. | | | \perp | | \perp | | L | _ |
| | 85 | | | | | 1 | | | | L | ╛ |
| | 86 | | | | | | | | | | _] |
| | 87 | | | L | | L | | 上 | | L | _ |
| | 88 | | | L | ┸ | ┸ | | ┸ | \perp | L | 1 |
| | 89 | | | _ | ┸ | | | 1 | ┸ | 1_ | _ |
| | 90 | | | | | | _ | ┷ | | ╀ | _ |
| <u> </u> | 91 | _ | 丄 | \perp | 1 | 1 | \bot | 4- | _ | 1 | 4 |
| <u> </u> | 92 | 4 | + | + | + | + | - - | + | \downarrow | ╄ | 4 |
| - | 93 | 4 | + | + | + | + | + | +- | +- | + | \dashv |
| - | 94 95 | | + | + | + | + | + | + | + | ╁ | \dashv |
| - | 96 | | + | + | + | + | + | + | + | ╁ | \dashv |
| - | 97 | | ╁ | + | + | + | + | + | + | + | \dashv |
| - | 98 | | + | + | + | 十 | + | + | \top | \dagger | \dashv |
| 1 | 99 | | \top | + | \top | \top | + | \top | \top | 1 | ٦ |
| | 10 | | \top | | _ | 丁 | | | | | ╛ |
| _ | | | _ | | | | | | | | _ |

| <u> </u> | 2011 | | | | | - | <u> </u> | _ | | $\overline{}$ |
|------------|---|----------|-----------|-----------|----------|------------|----------|-----------|--|----------------|
| Final | Original | | | | | | | | | |
| | 101 | | | | | | | | | |
| | 101 102 103 | | | | | | | | \Box | |
| | 103 | _ | \vdash | | Г | | | | | \neg |
| | 104 | - | ⊢ | - | ┢╾ | \vdash | _ | _ | | \dashv |
| | 104 105 | _ | - | ⊢ | ├— | | H | _ | \vdash | |
| _ | 105 | _ | - | ┝╌ | - | | ⊢ | | \vdash | \dashv |
| | 106 | | <u> </u> | ╙ | - | <u> </u> | ⊢ | <u> </u> | \vdash | _ |
| | 107 | | ╙ | _ | _ | <u> </u> _ | <u> </u> | | \vdash \dashv | - |
| ٠. | 108 | L | | <u> </u> | | _ | <u> </u> | - | | _ |
| | 109 | | | | | | | | | _ |
| | 107 108 109 110 | | | | | | | | Ш | _ |
| | 111 | | | | | | ١. | | | |
| | 112 113 | | | Г | | | | | i | |
| | 113 | | Г | Π | 1 | | | | \Box | |
| | 114 | | T | \vdash | 1 | Π | | | | |
| | 115 | \vdash | ╁ | + | | ╁╌ | \top | ✝ | $\vdash \lnot$ | |
| | 116 | + | T | ┼─ | +- | 1 | T | Ι- | \vdash | П |
| | 117 | ╁ | \vdash | +- | t | \vdash | 1 | \vdash | H | П |
| | 118 | +- | + | ┼- | +- | \vdash | ╁ | - | \vdash | Н |
| | 114 115 116 117 118 119 | ╁ | ╁ | +- | +- | \vdash | +- | +- | \vdash | Н |
| | 120 | ╁ | +- | ╁ | ╁ | +- | + | | | 一一 |
| | 121 | \vdash | ╁╌ | +- | ╁ | ╁ | + | ╁ | T | \Box |
| | 122 | + | + | 十 | + | ╁ | ╁╌ | \vdash | \vdash | М |
| | 123 | - | T | \vdash | † | 十 | \top | \dagger | ╆┈ | П |
| | 124 | † | \top | \dagger | † | T | Т | \top | T | П |
| | 125 | T | T | T | 1 | | Τ | 1 | Ī | |
| | 120 121 122 123 124 125 126 127 128 129 130 | | | T | | | | Ţ | | |
| | 127 | \prod | | | L | | \perp | 1_ | | Ш |
| | 128 | | 1_ | | 1_ | <u> </u> | <u> </u> | ╄ | 1_ | \perp |
| | 129 | _ | ┸ | _ | <u> </u> | 1 | ┺ | 1 | <u> </u> | \sqcup |
| | 130 | _ | 丄 | \perp | _ | <u> </u> | ┶ | \perp | 1_ | \sqcup |
| | 131 | | \perp | | \perp | \perp | ┸ | ļ., | | Ы |
| | 131 132 | ┸ | | \perp | ┸ | \bot | ╽_ | _ | 1 | 1-1 |
| | 1 133 | \perp | 1_ | \perp | \perp | 1_ | ╀- | \perp | ╀ | |
| | 134 | \bot | + | - | + | + | +- | + | + | — |
| <u> </u> | 135 | + | - | +- | ╀ | 4- | + | + | ╀ | - |
| | 134 135 136 137 | + | +- | + | - | +- | ╀ | ┿ | +- | - |
| ├ ─ | 137 | + | + | +- | ╁ | ╁ | +- | ╁ | + | ╀ |
| <u> </u> | 130 | + | + | + | +- | ╁ | +- | + | ╁ | ╁ |
| - | 138 139 140 | + | + | ┰ | ╁ | ╅ | ╅ | ╈ | + | t^- |
| | 141 | + | + | + | ╅ | + | + | + | + | † |
| | | | \top | ╅ | 十 | ┪ | 1 | Τ | \top | |
| | 142 | | \top | \top | | | Τ | Т | | |
| | 144 | | \top | | 1 | | T | | | |
| | 145 | | \top | | | | Π. | | | |
| | 146 | 5 | | | | Γ | | | | |
| | 147 | ľ | \perp | | | | | \perp | | 1_ |
| | 148 | | \perp | | | 1 | 4 | _ _ | \bot | 4 |
| | 149 | | \perp | \perp | 1 | \bot | \bot | | 4- | 4 |
| | 150 | | \perp L | \perp | | \perp | \perp | | | |
| | | | | | | | | | | |